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NOTICE OF ALLOWANCE AND FEE(S) DUE

31625 7590 03/23/2009

PATENT DEPARTMENT

BAKER BOTTS L.L.P.

98 SAN JACINTO BLVD., SUITE 1500 AUSTIN, TX 78701-4039

EXAMINER

GORDON, BRYAN P PAPER NUMBER ARTHNIT

2834

DATE MAILED: 03/23/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/595,391 | 02/01/2007 | Bernd Dollgast | 078857.0172 | 8571 |

TITLE OF INVENTION: PIEZO ACTUATOR AND ASSOCIATED PRODUCTION METHOD

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$1810 06/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| AUSTIN, TX 78 | 3701-4039 | | | | | | (Depositor's name) | |
| | | | | | | | (Signature) | |
| | | | | | | | (Date) | |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | | ATTOR | NEY DOCKET NO. | CONFIRMATION NO. | |
| 10/595,391 | 02/01/2007 | | Bernd Dollgast | 078857.0172 | | 78857.0172 | 8571 | |
| | | AND ASSOCIATED PRO | | Learn num rear | 1 | TOTAL STEED DATE | DATE DUE | |
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| EXAM | | ART UNIT | CLASS-SUBCLASS | J | | | | |
| GORDON, | | 2834 | 310-328000 | | | | | |
| 1. Change of correspondence address or indication of "Fee Address" (3 CFR 1.85a). Change of correspondence address for Change of Correspondence Address form PTOSB/122) attached. Tee Address indication for "Fee Address" Indication form PTOSB/12: Nev 03-02 c more recent) attached. Use of a Custom Number is required. | | | (I) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent atto | printing on the patent front page, list a names of up to 3 egistered patent attorneys uts OR, alternatively, ame of a single firm (having as a member a ered attorney or agent) and the names of up to terred patent attorneys or agents. If no name is no name will be printed, | | | | |
| PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | ified below, no assignee pletion of this form is NO | THE PATENT (print or typ data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY crinted on the patent): | ntent. If an assigned assignment. and STATE OR CO | OUNTR | Y) | | |
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| | s SMALL ENTITY state | is. See 37 CFR 1.27. | ☐ b. Applicant is no lon | | | | | |
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| Typed or printed nam | | Registration No. | | | | | | |
| This collection of inform an application. Confiden submitting the completes this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC 13-1450. | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR | on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO | etain a benefit by the imated to take 12 m idual case. Any con er, U.S. Patent and T D THIS ADDRESS. | e public inutes to nments Tradema SEND | which is to file (and o complete, including on the amount of tin rk Office, U.S. Depa TO: Commissioner f | by the USPTO to process) g gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450, | |

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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| PATENT DEPARTMENT | | | | ART UNIT | PAPER NUMBER | |
| 98 SAN JACINTO BLVD., SUITE 1500 AUSTIN, TX 78701-4039 | | | 2834 DATE MAIL ED: 03/23/2009 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/595,391 DOLLGAST ET AL Notice of Allowability Examiner Art Unit BRYAN P. GORDON 2834 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 23 February 2009. The allowed claim(s) is/are 1-5 and 8-15. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. Other _____.

/Quyen Leung/ SPE. Art Unit 2834 Application/Control Number: 10/595,391 Page 2

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Examiner's Amendment

 This application is in condition for allowance except for the presence of claims 16-21 are directed to an invention non-elected without traverse.

Accordingly, claims 16-21 have been cancelled.

Allowable Subject Matter

- 2. Claims 1-5 and 8-15 are allowed. The prior art does not teach a piezo actuator for actuating an injector for an injection system of an internal combustion engine, comprising a cage-shaped holder for spatially fixing a piezo stack and two associated connection pins for electrical contacting of the piezo stack, wherein the cage-shaped holder comprises a top plate, a bottom plate, and a first rib and second rib, wherein the first and second rib physically support and couple said top and bottom plate to pre-form said cage-shaped holder, the top plate and the bottom plate each comprise cutouts to receive a single piezo stack inserted into the pre-formed cage-shaped holder.
- References cited but that did not meet all the limitations are listed on the
 892 sheet.

Conclusion

- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRYAN P. GORDON whose telephone number is (571)272-5394. The examiner can normally be reached on Monday-Thursday 8:00-5:30, Friday 7:30-4:00.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quyen Leung can be reached on 571-272-8188. The fax

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Application/Control Number: 10/595,391

Art Unit: 2834

phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

/Quyen Leung/ SPE. Art Unit 2834

/Bryan P Gordon/ Examiner, Art Unit 2834